Tailoring AAO
In Progress Report

LtCol Ringhoffer

Agenda

- Purpose
- Events
- Programs Tailored
- Tailored Programs Results
- Lessons Learned
- Follow-on Action
- Recommendations

Purpose

- Provide MROC with the results of the first AAO IPT utilizing the approved methodology to tailor AAOs

Events

- AAO IPT Message released 6 April 2001
- AAO IPT Convened 17-26 April 2001
- Following Organizations Participated:
  (1) Marine Corps Combat Development Command
  (2) Plans, Policies, and Operations Department
  (3) Aviation Department
  (4) Installations and Logistics Department (LP)
  (5) Installations and Logistics Department (LF)
  (6) Materiel Command (MATCOM)
  (7) Training and Education Command (TECOM)
  (8) Programs and Resources
  (9) Systems Command

Programs Tailored

- IMPROVED RECOVERY VEHICLE
- ADVANCED TOWED CANNON SYSTEM
- TARGET LOCATION DESIGNATION & HANDOFF SYSTEM
- MEDIUM TACTICAL VEHICLE REPLACEMENT
- ENHANCED REVERSE OSMOSIS WATER PURIFICATION UNIT
- SMALL UNIT RIVERINE CRAFT
- FAMILY OF MATERIAL HANDLING EQUIPMENT
- TRACTOR ALL WHEEL DRIVE
- MOBILE WELDING EQUIPMENT
- FAMILY OF CONSTRUCTION EQUIPMENT
- FLOODLIGHT SETS
- RIFLE COMBAT OPTIC
- MODULAR WEAPON SYSTEM
- DATA AUTOMATED COMMUNICATIONS TERMINAL
- AVIATION REFUELING CAPABILITY

Tailor Methodology Applied to 25 TON CRANE

Component	Acquisition Objective Component	Tailored Acquisition Objective	Rationale
Ft Leonard Wood	9	9	TECOM to validate requirement
DMFA	17	0	Commercially available
EEAP	2	2	Source 2 from OpFor
Operating Forces	97	63	Commercially available. Assets pooled at FSSG.
Reserves	34	30	Reserve Allowance
MPF	24	24	
NALMEB	5	5	
TAAO	**188**	**131**	

Total Reduction **57 Systems 30% of AAO**

5.53 to 3.85 MEFs

Tailored Methodology Applied to LW 155

Component	Approved Acquisition Objective	Tailored AAO	Rationale
DMFA/Net WRMR	22/3	14/0	Washout & MPF Replacement Cy
TBS	6	0	Possible support from reserve ur
MCAD/Ft Sill	3/8	3/8	Mortars in lieu of artillery
Test Howitzers	14	7	Requirement split with Army
EEAP	18	18	Source qty from operating forces/reserves
Operating Forces/ Reserves	234	216	
Camp Fuji	6	6	
MPF	90	90	Supports 5 batteries/squadron
NALMEB	18	18	Supports 3 firing btys
AAO		**422**	**380**

Total Reduction = 42 Systems 10% of AAO

6.46 to 5.28 MEFs

Tailor Methodology Applied to EROWPU

Component	Acquisition Objective Component	Tailored Acquisition Objective	Rationale
DMFA	23	21	Washout based on ROWPU
Engineer School	6	6	TECOM to validate requirement
Operating Forces/ Reserves	172	144	OpFor source DMFA quantity
MPF	60	60	
NALMEB	6	6	
CBIRF	2	2	
AAO 239	**269**		
Total Reduction		**30 Systems 11% of AAO**	

6.11 to 5.43 MEFs

How Much is Enough?

Item	Notional MEF QTY	AAO	Tailored AAO	OLD #of MEFs	NEW #of MEFs
25 Ton Crane	34	188	131	5.53	3.85
250 CFM Compressor	28	194	138	6.93	4.93
7 1/2 Ton Crane	37	251	167	6.78	4.51
Dozer D7G	63	327	253	5.19	4.02
Dozer D7G Ripper	24	93	133	3.88	5.54
Dozer D7G Winch	30	184	128	6.13	4.27
EBFL	109	659	534	6.05	4.90
EROWPU	44	269	239	6.11	5.43
Floodlight Set	134	742	657	5.54	4.90
IRV	10	73	58	7.30	5.80
J NMS	10	46	46	4.60	4.60
LtWt 155	72	465	380	6.46	5.28
MC1150	32	175	169	5.47	5.28
MC1155	20	118	90	5.90	4.50
MTVR	1380	7360	6391	5.33	4.63
Rifle Combat Optic	335	1375	1386	4.10	4.14
TLHDS	106	479	428	4.52	4.04
Tractor All Wheel Drive	35	171	139	4.89	3.97
Welding Equipment	35	218	181	6.23	5.17
Wheeled Excavator	14	67	47	4.79	3.36
AVERAGE				5.59	4.66

Lesson Learned

- COORDINATION WITH USING UNITS
- CAPABILITY SETS
- ADDITIONAL ECONOMIES AND EFFICIENCIES
- RESERVE COE
- RESTRICTIONS ON SCOPE OF TAILORING

Follow-on Action

- MROC GUIDANCE
- DECISION BRIEFS
- SCHOOLHOUSE REQUIREMENTS
- FUTURE SUPPORT CONCEPTS
- NALMEB, MPF AND RESERVE ADJUSTMENTS
- EEAP/DMFA SOURCING

Recommendations

- AAO IPT reconvene - Aug 01
- Adjust MPF, NALMEB & Reserve Allowance reflect OpFor COE changes
- Advocates should take follow-on action to examine additional pooling efficiencies/opportunities
- Advocates validate AAO IPT results to MROC
- Identify Follow-on Candidates – June 01

Draft Follow-on List

- ACE
  - AN/TPS-59 Radar
  - Common Aviation C2 System
  - Complementary Low Altitude Weapons System
  - Cooperative Engagement Capability
  - Multi-Role Radar System
- CE
  - Coastal Battlefield Recon and Analysis
  - Data Automated Communications Terminal
  - Joint Tactical Radio System
  - Unit Operations Center
  - Global Broadcast System
  - Remoted Target System
- CSSE
  - Expeditionary Fuel System
  - High Mobility Multi-Wheeled Vehicle
  - Logistics Vehicle System Replacement
  - Medium Fleet Trailer Replacement
  - Rapid Deployable Kitchen
- GCE
  - Advanced Amphibious Assault Vehicle
  - Advanced Mine Detector
  - AN/GVS-5 Laser Observation Set Replacement
  - AN/PAS-13 Thermal Sight
  - Assault Breacher Vehicle
  - Closed Loop Artillery Support System
  - Combat Vehicle Appended Trainer
  - Expeditionary Fire Support System
  - Follow-on to SMAW
  - Ground Weapons Locating Radar
  - High Mobility Artillery Rocket System
  - Improved Position Azimuth Determination System
  - Internally Transportable Vehicle

Back-up Slides

Tailored Quantities										
Nomenclature	I MEF	II MEF	III MEF	Reserves	Supp Est	MPF	Net WRMR	NALMEB	DMFA	AAO
25 TON CRANE	22	23	18	30	9	24	0	5	0	131
250 CFM COMPRESSOR	26	26	16	26	4	30	0	10	0	138
7 1/2 TON CRANE	16	16	13	49	7	48	0	18	0	167
ADVANCED TOWED CANNON SYSTEM	72	72	36	54	24	90	0	18	14	380
DOZER D7G	44	44	29	58	19	53	0	6	0	253
DOZER D7G RIPPER	17	17	11	15	3	53	0	5	0	121
DOZER D7G WINCH	18	18	13	25	11	53	0	5	0	143
EXTENDED BOOM FORK LIFT	89	89	55	105	15	135	0	46	0	534
ENHANCED REVERSE OSMOSIS WATER PURIFICATION UNIT	35	35	39	35	8	60	0	6	21	239
FLOODLIGHT SETS	123	134	92	137	4	141	0	26	0	657
IMPROVED RECOVERY VEHICLE	10	10	0	10	2	21	0	0	5	58
JNMS	11	11	8	7	9	0	0	0	0	46
MC1150	32	31	18	31	12	36	0	9	0	169
MC1155	18	18	11	20	0	14	0	9	0	90
RIFLE COMBAT OPTIC	431	362	212	299	82	0	0	0	0	1386
SMALL UNIT RIVERINE CRAFT	0	40	0	0	6	0	0	0	0	46
TARGET LOCATION DESIGNATION & HANDOFF SYSTEM	106	100	50	144	28	0	0	0	0	428
TRACTOR, ALL WHEEL DRIVE W/ATTACHMENT	28	27	16	26	11	18	0	8	5	139
WELDING EQUIPMENT	35	31	24	35	4	45	0	7	0	181
WHEELED EXCAVATOR	10	9	7	9	8	3	0	1	0	47

How Many MEBs is Enough?

Item	Notional MEF QTY	AAO	Tailored AAO	OLD # of MEFs	NEW # of MEFs	MEB QTY	TAILORED # of MEBs
25 Ton Crane	34	188	131	5.53	3.85	8	16.38
250 CFM Compressor	28	194	138	6.93	4.93	10	13.80
7 1/2 Ton Crane	37	251	167	6.78	4.51	16	10.44
Dozer D7G	63	327	253	5.19	4.02	18	14.06
Dozer D7G Ripper	24	93	133	3.88	5.54	18	7.39
Dozer D7G Winch	30	184	128	6.13	4.27	18	7.11
EBFL	109	659	534	6.05	4.90	46	11.61
EROWPU	44	269	239	6.11	5.43	20	11.95
Floodlight Set	134	742	657	5.54	4.90	47	13.98
IRV	10	73	58	7.30	5.80	7	8.29
JNMS	10	46	46	4.60	4.60		
LtWt 155	72	465	380	6.46	5.28	30	12.67
MC1150	32	175	169	5.47	5.28	12	14.08
MC1155	20	118	90	5.90	4.50	5	18.00
MTVR	1380	7360	6391	5.33	4.63	449	14.23
Rifle Combat Optic	335	1375	1386	4.10	4.14		
TLHDS	106	479	428	4.52	4.04		
Tractor All Wheel Drive	35	171	139	4.89	3.97	6	23.17
Welding Equipment	35	218	181	6.23	5.17	15	12.07
Wheeled Excavator	14	67	47	4.79	3.36	1	47.00
AVERAGE				5.59	4.66		15.07